#17

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/402,093B

DATE: 06/17/2002
TIME: 17:49:38

Input Set : A:\001560-373.ST25.txt
Output Set: N:\CRF3\06172002\I402093B.raw

ENTERED

```
 4 <110> APPLICANT: Ohsuye, Kazuhiro
 5        Yabuta, Masayuki
 6        Suzuki, Yuji
 8 <120> TITLE OF INVENTION: Process for Producing Peptides Using a Helper Peptide
10 <130> FILE REFERENCE: 001560-373
12 <140> CURRENT APPLICATION NUMBER: US 09/402,093B
13 <141> CURRENT FILING DATE: 1999-09-29
15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/00406
16 <151> PRIOR FILING DATE: 1999-01-29
18 <150> PRIOR APPLICATION NUMBER: JP 10-32272
19 <151> PRIOR FILING DATE: 1998-01-30
21 <160> NUMBER OF SEQ ID NOS: 25
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 4
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Amino acid sequence adjacent to a site cleaved by
32        enterokinase
34 <400> SEQUENCE: 1
35 Asp Asp Asp Lys
36  1
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 4
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Amino acid sequence adjacent to a site cleaved by
46        blood coagulation Factor Xa
48 <400> SEQUENCE: 2
49 Ile Glu Gly Arg
50  1
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 7
55 <212> TYPE: PRT
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Amino acid sequence containing a site cleaved by
60        renin
62 <400> SEQUENCE: 3
63 Pro Phe His Leu Leu Val Tyr
64  1               5
```

```
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 6
69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Amino acid sequence of helper peptide
75 <400> SEQUENCE: 4
76 Val Asp Asp Asp Asp Lys
77 1               5
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 6
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Amino acid sequence of helper peptide
88 <400> SEQUENCE: 5
89 Gly Cys His His His His
90 1               5
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 10
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Amino acid sequence containing a chemically
100        cleaved site
102 <400> SEQUENCE: 6
103 Pro Gly Gly Arg Pro Ser Arg His Lys Arg
104 1               5               10
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 10
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Amino acid sequence of helper peptide
115 <400> SEQUENCE: 7
116 His Arg His Lys Arg Ser His His His His
117 1               5               10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 5
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Amino acid sequence containing a site cleaved by
127        Kex2 Protease
129 <400> SEQUENCE: 8
130 Ser Asp His Lys Arg
131 1               5
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 23
```

```
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Amino acid sequence containing a position cleaved
141       by OmpT
143 <400> SEQUENCE: 9
144 Gln Met His Gly Tyr Asp Ala Glu Leu Arg Leu Tyr Arg Arg His His
145 1               5                   10                  15
146 Arg Trp Gly Arg Ser Gly Ser
147             20
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 20
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Amino acid sequence containing a position cleaved
157       by OmpT
159 <400> SEQUENCE: 10
160 Gln Met His Gly Tyr Asp Ala Glu Leu Arg Leu Tyr Arg Arg His His
161 1               5                   10                  15
162 Gly Ser Gly Ser
163             20
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 69
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Nucleotide sequence coding for an amino acid
173       sequence containing a site cleaved by OmpT
W--> 175 <221> NAME/KEY: CDS
176 <222> LOCATION: (1)...(69)
W--> 178 <400> 11
179 cag atg cat ggt tat gac gcg gag ctc cgg ctg tat cgc cgt cat cac   48
180 Gln Met His Gly Tyr Asp Ala Glu Leu Arg Leu Tyr Arg Arg His His
181 1               5                   10                  15
183 cgg tgg ggt cgt tcc gga tcc                                       69
184 Arg Trp Gly Arg Ser Gly Ser
185             20
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 23
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Amino acid sequence containing a site cleaved by
195       OmpT
197 <400> SEQUENCE: 12
198 Gln Met His Gly Tyr Asp Ala Glu Leu Arg Leu Tyr Arg Arg His His
199 1               5                   10                  15
200 Arg Trp Gly Arg Ser Gly Ser
```

RAW SEQUENCE LISTING   DATE: 06/17/2002
PATENT APPLICATION: US/09/402,093B   TIME: 17:49:38

Input Set : A:\001560-373.ST25.txt
Output Set: N:\CRF3\06172002\I402093B.raw

```
201              20
204 <210> SEQ ID NO: 13
205 <211> LENGTH: 47
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Nucleotide sequence coding for an amino acid
211       sequence containing a site cleaved by OmpT
213 <400> SEQUENCE: 13
214 tggttatgac gcggagctcc gcctgtatcg ccgtcatcac ggttccg              47
216 <210> SEQ ID NO: 14
217 <211> LENGTH: 55
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Nucleotide sequence coding for an amino acid
223       sequence containing a site cleaved by OmpT
225 <400> SEQUENCE: 14
226 gatccggaac cgtgatgacg gcgatacagg cggagctccg cgtcataacc atgca       55
228 <210> SEQ ID NO: 15
229 <211> LENGTH: 24
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Primer
236 <400> SEQUENCE: 15
237 gactcagatc ttcctgaggc cgat                                        24
239 <210> SEQ ID NO: 16
240 <211> LENGTH: 36
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Primer
247 <400> SEQUENCE: 16
248 aaaggtacct tccgcatgcc gcggatgtcg agaagg                           36
250 <210> SEQ ID NO: 17
251 <211> LENGTH: 20
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Primer
258 <400> SEQUENCE: 17
259 aggccaggaa ccgtaaaaag                                             20
261 <210> SEQ ID NO: 18
262 <211> LENGTH: 29
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Primer
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/17/2002
PATENT APPLICATION: US/09/402,093B   TIME: 17:49:39

Input Set : A:\001560-373.ST25.txt
Output Set: N:\CRF3\06172002\I402093B.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:25; Xaa Pos. 6

US 0940209301P1

Legal Date: 06-25-2002

No.	Doccode	Number of pages
1	CTFR	14
2	892	1
3	NPL	1
4	1449	1

Total number of pages: 17

Remarks:

Order of re-scan issued on ....